RECEIVED JULY 01, 2009

Fluor Hanford WSCF Analytical Lab P.O. Box 1000 Richland, Washington 99352 Telephone 373-7495 Telefax 372-0456



M4W41-SLF-09-196

June 30, 2009

Mr. M. A. Neely, Manager Analytical Services CH2M HILL Plateau Remediation Contract PO Box 1600 MSIN R3-60 Richland, WA 99352

Dear Mike:

FINAL RESULTS FOR SAMPLE DELIVERY GROUP WSCF20090476 - SAF NUMBER F09-028

Reference:

- (1) Statement of Work (SOW), Modification No. 2 to Agreement 36587, Release 3, 'FH WSCF ANALYTICAL SERVICES FOR GROUNDWATER'
- (2) HNF-SD-CD-QAPP-017, Rev. 9, Waste Sampling & Characterization Facility Quality Assurance Plan

This letter contains the following attachments for sample delivery group WSCF20090476:

- Cover Sheet (Attachment 1)
- Narrative (Attachment 2)
- Analytical Results (Attachment 3)
- Sample Receipt Information (Attachment 4)

Very truly yours,

S. L. Fitzgerald

WSCF Analytical Lab

SLF/grf

Attachments 4

cc: w/Attachments

A. J. Kopriva S3-30 H. K. Meznarich S3-30 J. E. Trechter S3-30 S. J. Trent R3-50

File/LB

M4W41-SLF-09-196

ATTACHMENT 1

COVER SHEET

Consisting of 2 pages Including cover page

WSCF SAF NUMBER CROSS REFERENCE

	Group#: Data Deliverable Date: Data Deliverable:	WSCF20090476 01-jul-2009 Cover Sheet	
SAF#	Sample ID	WSCF#	Matrix
F09-028	B20LW6	W09GR00460	GASEOUS
	B20LW7	W09GR00461	GASEOUS

Report Date: 17-jun-2009 Group#: WSCF20090476 Report WGPPS/5.3

M4W41-SLF-09-196

ATTACHMENT 2

NARRATIVE

Consisting of 3 pages Including cover page

Introduction

Two S&GRP samples were received at the WSCF Laboratory on May 20, 2009. Samples were analyzed for the analytes indicated on the attached copy of the chain of custody (COC) form in accordance with the Statement of Work (SOW), Modification No. 2 to Agreement 36587, Release 3, "FH WSCF ANALYTICAL SERVICES FOR GROUNDWATER."

The narrative (Attachment 2) will address sample characteristics, analyses requested and general information in performance of the analytical methods. A Data Summary Report (Attachment 3) includes analytical results, a comment report detailing method abnormalities, tentatively identified peaks if applicable, method references, and Laboratory QC information as applicable. Copies of the chain of custody and sample receipt documentation are included as Attachment 4.

The following generic data qualifiers (i.e., B, D, and J) may be applicable to this report, as appropriate

- **B** Sample results with a concentration greater than the MDL but less than the PQL are B flagged (applies to inorganic and wetchem analyses), as appropriate.
- **D** Sample results are D flagged if dilution(s) were required, as appropriate.
- J Sample results with a concentration greater than the MDL but less than the PQL are J flagged (applies to organic analyses), as appropriate.

Analytical Methodology for Requested Analyses

Refer to WSCF Method References Report, page 10, for a complete listing of approved analytical methods.

Organic Comments

VOC (**Vapor**) – A Blank, Laboratory Control Sample (LCS), LCS Duplicate (LCSD) and Limit of Quantitation Standard (LOQ) were analyzed with this delivery group. See pages 15 through 22 for QC details. Analytical Note(s):

- 1-butanol exceeded calibration requirement with a recovery of 27%, and hexanenitrile exceeded the calibration requirement with a recovery of 29%.
- LCS 1,1 –dichloroethlyene recovery was 65%, carbon disulfide recovery was 62.0%, methylene chloride recovery was 62%, and furan recovery was at 67%. All recoveries were below the established limit of 70%.
- LCSD carbon disulfide recovery was 67%, carbon tetrachloride recovery was 67.0%, methylene chloride recovery was 67%, and furan recovery was 67%. All recoveries were below the established limit of 70%.
- LQO –Butanal recovery was 49%, 3-hexanone recovery was 45.0%, MIBK recovery was 49%. All recoveries were below the established limit of 50%.
- All other QC controls are within the established limits.

We certify that this data package is in compliance with the SOW, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this data package has been authorized by the Analytical Laboratory Manager (or designee) and the Client Services representative as verified by the following signatures.

Scot L. Fitzgerald WSCF Analytical Laboratory Manager

Andrew J. Kopriva WSCF Client Services

M4W41-SLF-09-196

ATTACHMENT 3

ANALYTICAL RESULTS

Consisting of 17 pages Including cover page

ANALYTICAL RESULTS REPORT WSCF

for

Groundwater Remediation Program

Richland, WA 99354

Steve Trent Attention:

Analytical:

A. Kopriva 6-17-09 5. F. + 29erald 6-17-07 Client Services:

All results are reported ordan "as received" basis unless otherwise noted in the comment section.

or is not authorized by the recipient to receive the report, you are hereby notified that any dissemination, distribution or copying of this report This information is intended for the use of the addressee only. If the reader of this report is not the intended recipient

is strictly prohibited. If you have received this report in error, please notify WSCF Laboratory immediately by telephone at (509) 373-7020 or (509) 531-8004.

Information designation of this report is the responsibility of the customer.

Contract#: MOA-FH-CHPRC-2008 Report#: WSCF20090476 Report Date: 17-jun-2009

Report WGPP/ver. 5.2

Groundwater Remediation Program

Department: Organic

W13q Worklist/Batch/QC Report for Group# WSCF20090476

ML#	S#	Batch	QC#	Tray Type	Sample#	Test
39636	1	40058	44614	BLANK		Headspace Analysis
39636	2	40058	44614	LCS		Headspace Analysis
39636	6	40058	44614	LCS-DUP		Headspace Analysis
39636	6	40058	44614	LCS-RPD		Headspace Analysis
39636	3	40058	44614	LOQ		Headspace Analysis
39636	4	40058	44614	SAMPLE	W09GR00460	Headspace Analysis
39636	5	40058	44614	SAMPLE	W09GR00461	Headspace Analysis

WSCF

METHOD REFERENCES REPORT

Department: Organic

industry method is listed here even though the WSCF procedure may reference an older version of the method. Also, a reference to a regulatory or industry The results provided in this report were generated using the following WSCF Laboratory procedures. For your convenience, this table provides a listing of the regulatory or industry methods that are referenced by each of these WSCF procedures. Please note that the most recent version of the regulatory or method here does not necessarily indicate a verbatim implementation of that method.

LA-523-449

LA-523-449: DETERMINATION OF VOLATILE ORGANIC COMPOUNDS FOR INDUSTIAL HYGIENE EPA TO Methods TO-15 mod. Determination Of Volatile Organic Compounds (VOCs) In Ambient Air -Modified-**VOA TO-15**

HEIS TO-15 VOA GAS

Note: A complete list of WSCF analytical procedures and referenced regulatory or industry methods is available online at http://www2.rl.gov/phmc/as-dol.

Report Date: 17-jun-2009

10 Report #: WSCF20090476 Report WGPPM/5.2

Page

ANALYTICAL RESULTS REPORT WSCF

WSCF20090476 :: Organic 05/20/09 05/20/09	Analysis Date	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	60/10/00	60/10/09	06/10/09	06/10/09	60/10/00	06/10/09	60/10/00	60/10/00	60/10/00	60/10/08	60/10/00	60/10/00	60/10/00	60/10/00	06/10/09	60/10/09	06/10/09	06/10/09	06/10/09
Group #: Department: Sampled: Received:	PQL																								
R S D G	MDL	10	10	10	10	10	50	10	50	10	10	25	10	10	10	10	10	10	10	10	10	10	10	10	86
	DF	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	19.50
GASEOUS	Unit																								
Matrix:	TP Err																								
lat		~	s	5	S	5	S	5	5	\$?	5	\$	\$	5	5	\$	s	S	~	~	~	~	5	~
2	Unit	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)
2	Result Unit	22 PPB(V/V	< 10 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	< 50 PPB(V/	< 10 PPB(V/	< 50 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	50 PPB(V/	< 10 PPB(V/	15 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	< 10 PPB(V/	20 PPB(V/V	< 10 PPB(VA	< 10 PPB(V/	27 PPB(V/	< 10 PPB(V/\	25 PPB(V/	1.7e+03 PPB{V/
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D - Analyte was identified at a secondary dilution factor MDL = Minimum Detection Limit RQ=Result Qualifier

TP Err=Total Propagated Error DF = Dilution Factor

+ - Indicates more than six qualifier symbols

L • Indicates results that have NOT been validated;
L Report WGPP/ver. 5.2
Groundwater Remediation Program
2

WSCF

ANALYTICAL RESULTS REPORT

WSCF20090476 Organic 05/20/09 05/20/09	•	Analysis Date	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09
Group #: Department: Sampled: Received:	Ç	PQL																					
		MDL	10	10	01	10	10	10	10	10	10	10	10	86	10	10	10	10	10	10	01	10	10
	į,	DF	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	19.50	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
GASEOUS		Unit																					
	ļ	TP Err																					
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	•	Result	10	10	10	10	1.2e + 02	10	10	10	10	10	10	1.3e + 03	10	10	10	9	10	10	9	10	10
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E	ç	RQ R	\ 	V	٧	٧		٧	٧	٧	٧	٧	٧	۵	٧	٧	٧	٧	٧	٧	٧	٧	v
TRENT	,		LA-523-449	LA-523-449 <	LA-523-449 <	LA-523-449 <	LA-523-449	LA-523-449 <	LA-523-449 D	LA-523-449 <													
Attention: Steve Trent SAF Number:F09-028 Sample # W09GR00460 Client ID: B20LW6 TRENT	WSCF	RQ					79-01-6 LA-523-449																

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ANALYTICAL RESULTS REPORT

WSCF20090476 : Organic 05/20/09 05/20/09	Analysis Date	06/10/09	60/10/09	60/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	60/10/00	06/10/09	06/10/09	60/10/09	60/10/00	06/10/09	06/10/09	60/10/06	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09
Group #: Department: Sampled: Received:	PQL																								
GUSK	MDL	10	10	10	10	10	20	10	20	10	10	25	10	10	10	10	10	10	10	10	10	10	10	10	10
	DF	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
GASEOUS	Unit																								
Matrix:	TP Err																								
/at		3	2	ŝ	2	<u>§</u>	2	2	(V)	<u> </u>	<u>{</u>	<u>{</u>	<>>	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	<u>{</u>	\$	<u>{</u>	2	<u>§</u>	2	<u> </u>	2
2	Unit	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(PPB(PPB(PPB(PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)
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	thod RQ Result	16	> 10	< 10	< 10	< 10	> 10	> 10	> 10	< 10	< 10	34	> 10	< 10	< 10	< 10	< 10	> 10	> 10	< 10	> 10	28	> 01	29	D 1.7e+03

D - Analyte was identified at a secondary dilution factor MDL = Minimum Detection Limit RQ= Result Qualifier TP Err = Total Propagated Error

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Second Second Second Second Second Second Second WGPP/ver. 5.2 **Jecondwater Remediation Program**

ANALYTICAL RESULTS REPORT WSCF

WSCF20090476 Organic 05/20/09 05/20/09	Analysis Date	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09	06/10/09
Group #: Department: Sampled: Received:	PQL																					
	MDL	10	0	10	10	10	10	01	10	10	10	10	10	10	10	01	10	10	0	10	10	10
	DF	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00
GASEOUS	Unit																					
Matrix: G	Err																					
at		ı		_	_		_	_	_	_	_	_	_	_	_	_	_				_	_
X	Unit	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)	PPB(V/V)
Z	Result Unit	< 10 PPB(V/V)	< 10 PPB(V/V)	< 10 PPB(V/V)	< 10 PPB(V/V)	1.2e+02 PPB(V/V)	< 10 PPB(V/V)	< 10 PPB(V/V	< 10 PPB(V/V	< 10 PPB(V/V)	< 10 PPB(V/V)	< 10 PPB(V/V	2.0e+03 PPB(V/V	< 10 PPB(V/V	< 10 PPB(V/V	< 10 PPB(V/V	< 10 PPB(V/V)	< 10 PPB(V/V				
	RQ Result Uni	10	10	10	10		10	10	10	10	10	10		10	10	10		10	10		01	10
TRENT	thod RQ Result Uni	10	10	10	10		10	10	10	10	10	10	2.0e+03	10	10	10		10	10		01	10
	WSCF AS # Method RQ Result Uni	> 10	< 10	> 10	> 10	1.2e+02	> 10	> 10	> 10	> 10	> 10	> 10	D 2.0e+03	> 10	> 10	> 10	> 10	> 01	> 10	> 10	> 01	> 10

D - Analyte was identified at a secondary dilution factor MDL = Minimum Detection Limit

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+ - Indicates more than six qualifier symbols

P. Indicates results that have NOT been validated;
Report WGPP/ver. 5.2
Groundwater Remediation Program
2

Organic

Department:

SDG N Matrix Test: F	SDG Number: WSCF20090476 Matrix: VAPOR Test: Headspace Analysis							Samp	Sample Date: Receive Date:		
QC Type	Analyte	CAS#	QC Found QC Yield	QC Yield	Units	Lower Limit	Upper Limit	RPD(%)	RPD Limit	RQ	Analysis Date
BATCH OC	н ос										
BLANK	1-Butanol	71-36-3	\ 51	n/a	% Recov	70.000	130.000			b	06/10/09
BLANK	1-Propanol	71-23-8	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	1,1,1-Trichtoroethane	71-55-6	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	1,1,2,2-Tetrachloroethane	79-34-5	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	1,1-Dichloroethene	75-35-4	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	1,2-Dichloroethane	107-06-2	< 5	n/a	% Recov	70.000	130.000			¬	06/10/09
BLANK	1,3-Butadiene	106-99-0	< 5	n/a	% Recov	70.000	130.000			_{>}	06/10/09
BLANK	2-Propanol	67-63-0	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	2-Hexanone	591-78-6	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Acetone	67-64-1	< 20	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Acetonitrile	75-05-8	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Benzene	71-43-2	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Butanal	123-72-8	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Butanenitrile	109-74-0	< 5	n/a	% Recov	70.000	130.000			n	06/10/09
BLANK	Carbon disulfide	75-15-0	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Carbon tetrachloride	56-23-5	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Chloroform	67-66-3	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Chlorobenzene	108-90-7	< 2 <	n/a	% Recov	70.000	130.000			¬	60/01/90
BLANK	Decane	124-18-5	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Methylenechloride	75-09-2	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	1,4-Dioxane	123-91-1	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Ethylbenzene	100-41-4	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Ethanol	64-17-5	< 30	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Furan	110-00-9	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	3-Hexanone	589-38-8	< 5	n/a	% Recov	70.000	130.000			D	06/10/09
BLANK	Hexanenitrile	628-73-9	< 5	n/a	% Recov	70.000	130.000			⊃	06/10/09
BLANK	Methanol	67-56-1	< 30	n/a	% Recov	70.000	130.000			⊃	06/10/09

12 d Seport w13gq/rev.4.2 p 17-jun-2009 10:52.49

Analysis 06/10/09 06/10/09 06/10/09 06/10/09 06/10/09 06/10/09 06/10/09 06/10/09 06/10/09 06/110/09 06/110/09 06/10/09 06/10/09 06/10/09 06/110/09 06/10/09 06/10/09 06/10/09 06/10/09 06/110/09 0/01/90 06/110/09 06/110/09 06/10/09 Date Organic RO \supset \supset \supset \supset \supset \supset \supset Department: Receive Date: Sample Date: Limit RPD(%) 130.000 130.000 30.000 30.000 30.000 130.000 130.000 130.000 130.000 130.000 130.000 130.000 30.000 30.000 30.000 130.000 30.000 130.000 130.000 30.000 130.000 130.000 70.000 Lower % Recov 105.000 OC Found OC Yield 65.000 80.952 71.429 80.952 95.238 n/a n/a n/a n/a n/a n/a ۸ 5 5 2 5 20 15 13 179601-23-1 108-10-1 8-26-901 0-99-601 110-59-8 110-54-3 107-12-0 100-42-5 127-18-4 9-66-601 142-82-5 108-88-3 79-01-6 107-06-2 CAS# 71-36-3 71-23-8 71-55-6 79-34-5 75-35-4 74-98-6 95-47-6 75-01-4 74-87-3 SDG Number: WSCF20090476 1,1,2,2-Tetrachloroethane Test: Headspace Analysis 4-Methyl-2-Pentanone 1,1,1-Trichloroethane 1,1-Dichloroethene 1,2-Dichloroethane **Tetrachloroethene Tetrahydrofuran Frichloroethene** Chloromethane Analyte thyl cyanide /inyl chloride Matrix: VAPOR /aleronitrile 2-Butanone -Propanol m/p-xylene -Butanol o-Xylene Heptane Foluene Propane entane Styrene Butane Hexane BLANK S S S S S CS

Report w13gq/rev.4.2 p 17-jun-2009 10:52:49

06/10/09 06/110/09 06/10/09

130.000

70.000

% Recov % Recov % Recov

75.000 71.429

15 15

106-99-0

1,3-Butadiene

SOI S 2-Hexanone

2-Propanol

Acetonitrile

CS

Acetone

CS S

67-63-0

591-78-6

90.476

84.615 77.273 80.952

30.000 30.000 30.000

70.000 70.000 30.000

06/11/90

06/110/09

16 of 27

Organic

Department:

SDG Number: WSCF20090476 Matrix: VAPOR

Test: Headspace Analysis

Sample Date: Receive Date:

Analysis 06/10/00 06/11/90 06/110/09 06/10/09 06/11/90 06/10/09 06/110/09 06/10/09 0/01/90 06/10/09 06/10/09 0/01/90 06/110/09 06/110/09 06/10/09 06/10/09 00/01/90 06/110/09 06/110/09 06/10/09 06/10/09 0/01/90 06/10/09 06/10/09 06/110/09 06/10/09 06/110/09 06/10/09 06/110/09 06/10/09 RO RPD Limit RPD(%) 30.000 130.000 130.000 130.000 130.000 30.000 130.000 130.000 30.000 30.000 30.000 130.000 30.000 130.000 130.000 130.000 130.000 130.000 130.000 30.000 130.000 130.000 30.000 130.000 30.000 30.000 30.000 70.000 Lower % Recov OC Found OC Yield 71.429 85.714 05.000 109.524 83.000 70.000 90.476 90.476 75.000 70.000 71.429 100.000 90.476 105.000 76.190 75.000 95.238 95.238 75.455 66.667 95.238 95.238 70.000 76.190 90.476 90.476 61.905 20 13 4 20 23 83 14 9 19 14 16 15 14 15 179601-23-1 8-26-901 110-00-9 589-38-8 628-73-9 108-10-1 110-54-3 0-99-601 142-82-5 107-12-0 100-42-5 23-72-8 109-74-0 56-23-5 108-90-7 24-18-5 23-91-1 100-41-4 74-87-3 95-47-6 127-18-4 6-66-601 08-88-3 87-66-3 75-09-2 54-17-5 78-93-3 74-98-6 75-15-0 67-56-1 4-Methyl-2-Pentanone Carbon tetrachloride Methylenechloride **Tetrachloroethene Tetrahydrofuran** Carbon disulfide Chlorobenzene Chloromethane Analyte Ethylbenzene Ethyl cyanide Hexanenitrile Butanenitrile ,4-Dioxane 3-Hexanone Chloroform 2-Butanone m/p-xylene Methanol o-Xylene Pentane Propane Ethanol Heptane Decane Hexane Styrene Butane Furan Type SOT rcs CS CS CS CS S CS CS CS SOT CS CS CS CS CS CS CS CS S S CS CS CS S CS CS

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Organic

Department:

Sample Date: Receive Date:

SDG Number: WSCF20090476 Matrix: VAPOR Test: Headspace Analysis

Analysis	Date	06/10/09	90/11/90	06/10/09	60/10/09	06/10/09	90/11/90	60/10/09	60/11/90	60/10/90	06/10/09	06/10/09	06/10/09	60/10/09	06/10/09	60/10/09	60/10/08	90/11/90	60/10/09	60/10/09	60/10/09	60/10/09	60/10/90	60/10/09	06/10/09	06/10/09	60/11/90	96/10/09	60/10/09	60/10/09	06/10/09
,	RQ	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
RPD	Limit																		•	•				•				•			
	RPD(%)																														
Upper	Limit	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000	130.000
Lower	Limit	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000	70.000
	Units	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov	% Recov
	QC Yield	76.190	100.000	75.000	76.190	76.190	76.190	105.000	70.000	85.714	80.000	71.429	95.238	90.385	81.818	85.714	100.000	100.000	66.667	66.667	80.000	85.714	105.000	66.667	85.714	95.238	71.818	66.667	100.000	104.762	86.000
	QC Found	16	21	15	16	16	16	21	14	18	16	15	20	47	18	18	21	21	14	14	16	18	21	14	18	20	79	14	21	22	98
	CAS#	79-01-6	110-59-8	75-01-4	71-36-3	71-23-8	71-55-6	79-34-5	75-35-4	107-06-2	106-99-0	67-63-0	591-78-6	67-64-1	75-05-8	71-43-2	123-72-8	109-74-0	75-15-0	56-23-5	67-66-3	108-90-7	124-18-5	75-09-2	123-91-1	100-41-4	64-17-5	110-00-9	589-38-8	628-73-9	67-56-1
	Analyte	Trichloroethene	Valeronitrile	Vinyl chloride	1-Butanol	1-Propanol	1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane	1,1-Dichloroethene	1,2-Dichloroethane	1,3-Butadiene	2-Propanol	2-Hexanone	Acetone	Acetonitrile	Benzene	Butanal	Butanenitrile	Carbon disulfide	Carbon tetrachloride	Chloroform	Chlorobenzene	Decane	Methylenechloride	1,4-Dioxane	Ethylbenzene	Ethanol	Furan	3-Hexanone	Hexanenitrile	Methanol
8	Type	SOT	SOT	SOT	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	LCS-DUP	I CS-DIJP

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Organic

Department:

Sample Date: Receive Date:

SDG Number: WSCF20090476 Matrix: VAPOR Test: Headspace Analysis

8						Lower	\mathbf{U} pper		RPD		Analysis
Type	Analyte	CAS#	QC Found (QC Yield	Units	Limit	Limit	RPD(%)	Limit	RO RO	Date
LCS-DUP	Chloromethane	74-87-3	16	80.000	% Recov	70.000	130.000				06/10/09
LCS-DUP	2-Butanone	78-93-3	20	95.238	% Recov	70.000	130.000				06/10/09
LCS-DUP	4-Methyl-2-Pentanone	108-10-1	21	100.000	% Recov	70.000	130.000				06/10/09
LCS-DUP	m/p-xylene	179601-23-1	20	95.238	% Recov	70.000	130.000				06/10/09
LCS-DUP	Butane	106-97-8	16	80.000	% Recov	70.000	130.000				60/01/90
LCS-DUP	Hexane	110-54-3	16	76.190	% Recov	70.000	130.000				60/11/90
LCS-DUP	Pentane	109-66-0	16	80.000	% Recov	70.000	130.000				06/10/09
LCS-DUP	Propane	74-98-6	16	80.000	% Recov	70.000	130.000				06/10/09
LCS-DUP	Heptane	142-82-5	16	76.190	% Recov	70.000	130.000				06/10/09
LCS-DUP	o-Xylene	95-47-6	21	100.000	% Recov	70.000	130.000	•			06/10/09
LCS-DUP	Ethyl cyanide	107-12-0	19	90.476	% Recov	70.000	130.000				06/10/09
LCS-DUP	Styrene	100-42-5	21	105.000	% Recov	70.000	130.000				60/01/90
LCS-DUP	Tetrachloroethene	127-18-4	16	76.190	% Recov	70.000	130.000				06/10/09
LCS-DUP	Tetrahydrofuran	109-99-9	20	95.238	% Recov	70.000	130.000				06/10/09
LCS-DUP	Toluene	108-88-3	19	90.476	% Recov	70.000	130.000				06/10/09
LCS-DUP	Trichloroethene	79-01-6	17	80.952	% Recov	70.000	130.000				06/10/09
LCS-DUP	Valeronitrile	110-59-8	20	95.238	% Recov	70.000	130.000				60/01/90
LCS-DUP	Vinyl chloride	75-01-4	15	75.000	% Recov	70.000	130.000				60/01/90
LCS-RPD	1-Butanol	71-36-3	76.190		RPD			22.223	25.000		06/10/09
LCS-RPD	1-Propanol	71-23-8	76.190		RPD			6.061	25.000		06/10/09
LCS-RPD	1,1,1-Trichloroethane	71-55-6	76.190		RPD			6.450	25.000		06/10/09
LCS-RPD	1,1,2,2-Tetrachloroethane	79-34-5	105.000		RPD			0.000	25.000		60/01/90
LCS-RPD	1,1-Dichloroethene	75-35-4	70.000		RPD			7.407	25.000		06/10/09
LCS-RPD	1,2-Dichloroethane	107-06-2	85.714		RPD			5.714	25.000		06/10/09
LCS-RPD	1,3-Butadiene	106-99-0	80.000		RPD			6.452	25.000		06/10/09
LCS-RPD	2-Propanol	67-63-0	71.429		RPD			0.000	25.000		06/10/09
LCS-RPD	2-Hexanone	591-78-6	95.238		RPD			5.128	25.000		06/10/09
LCS-RPD	Acetone	67-64-1	90.385		RPD			6.594	25.000		60/10/90
LCS-RPD	Acetonitrile	75-05-8	81.818		RPD			5.714	25.000		60/01/90
LCS-RPD	Benzene	71-43-2	85.714		RPD			5.714	25.000		06/10/09

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Organic

Department:

Sample Date: Receive Date: SDG Number: WSCF20090476 Matrix: VAPOR Test: Headspace Analysis

	RQ	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	25.000 06/10/09	00/01/90
RPD	RPD(%) Limit	0.000	0.000	7.408 2!	6.897	6.452 29	0.000	0.000	7.408	10.527	0.000	4.939	0.000	4.878 2!	4.445	3.550 21	13.333	5.128 2	10.000	0.000	13.333	0.000	6.452	13.333	6.450 2	0.000	0.000	0.000	0.000	F 128
Upper	Limit																													
Lower	Units Limit	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	RPD	Caa
	QC Found QC Yield	100.000	100.000	66.667	66.667	80.000	85.714	105.000	66.667	85.714	95.238	71.818	66.667	100.000	104.762	86.000	80.000	95.238	100.000	95.238	80.000	76.190	80.000	80.000	76.190	100.000	90.476	105.000	76.190	0000
	CAS#	123-72-8	109-74-0	75-15-0	56-23-5	67-66-3	108-90-7	124-18-5	75-09-2	123-91-1	100-41-4	64-17-5	110-00-9	589-38-8	628-73-9	67-56-1	74-87-3	78-93-3	108-10-1	179601-23-1	106-97-8	110-54-3	109-66-0	74-98-6	142-82-5	95-47-6	107-12-0	100-42-5	127-18-4	0000
	Analyte	Butanal	Butanenitrile	Carbon disulfide	Carbon tetrachloride	Chloroform	Chlorobenzene	Decane	Methylenechloride	1,4-Dioxane	Ethylbenzene	Ethanol	Furan	3-Hexanone	Hexanenitrile	Methanol	Chloromethane	2-Butanone	4-Methyl-2-Pentanone	m/p-xylene	Butane	Hexane	Pentane	Propane	Heptane	o-Xylene	Ethyl cyanide	Styrene	Tetrachloroethene	
သ	Type	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	LCS-RPD	0

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Organic

Department:

Receive Date: Sample Date:

SDG Number: WSCF20090476 Matrix: VAPOR

Test: Headspace Analysis

Analysis 06/10/09 06/10/09 06/10/09 06/110/09 26/10/09 06/11/90 0/01/90 0/01/90 0/01/90 06/10/09 0/01/90 0/01/90 06/110/09 06/10/09 06/11/90 06/110/09 06/110/09 0/01/90 06/110/09 0/01/90 06/11/90 06/10/09 06/11/09 06/10/09 06/10/09 06/10/09 06/10/09 06/11/90 06/10/09 Date RQ 25.000 25.000 25.000 Limit RPD 4.878 0.000 6.061 RPD(%) 150.000 150.000 50.000 150.000 50.000 150.000 50.000 150.000 150.000 150.000 50.000 50.000 50.000 50.000 50.000 150.000 150.000 150.000 50.000 50.000 50.000 50.000 50.000 50.000 50,000 50.000 Limit Upper 50.000 Lower Limit % Recov Units RPD RPD 000.00 QC Found QC Yield 86.275 78.846 86.000 63,462 80.000 55.769 75.000 50.943 78.846 83.019 52.830 78.000 98.000 92.308 74.074 49.057 66.667 56.604 73.077 60.377 45.283 58.491 82.692 78.431 62.264 95.238 75.000 80.952 4.0 3.0 4.3 0.4 3.9 3.3 2.9 4.0 3.9 2.6 4.1 3.3 3.2 4.9 12 2.7 4.4 4.3 4.1 3.4 4.4 19 107-06-2 0-66-901 591-78-6 123-72-8 109-74-0 108-90-7 24-18-5 110-00-9 589-38-8 110-59-8 75-15-0 56-23-5 67-66-3 123-91-1 100-41-4 628-73-9 75-05-8 9-10-6 71-36-3 71-23-8 71-55-6 75-35-4 64-17-5 75-01-4 79-34-5 67-63-0 67-64-1 71-43-2 75-09-2 I,1,2,2-Tetrachloroethane 1,1,1-Trichloroethane Carbon tetrachloride 1,1-Dichloroethene I,2-Dichloroethane Methylenechloride Carbon disulfide Trichloroethene Chlorobenzene Analyte Vinyl chloride I,3-Butadiene Ethylbenzene Hexanenitrile **Butanenitrile** ,4-Dioxane 3-Hexanone Valeronitrile 2-Hexanone Chloroform Acetonitrile 2-Propanol I-Propanol 1-Butanol Acetone Benzene Butanal Decane Ethanol Furan LCS-RPD LCS-RPD LCS-RPD Type 700 007 Loa 007 007 007 Loa 007 007 007 007 Loa 007 007 007 700 007 Loa 8 0 00 007 0 8 8 007

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Organic

Department:

Sample Date: Receive Date:

WSCF ANALYTICAL LABORATORY QC REPORT

SDG Number: WSCF20090476 Matrix: VAPOR Test: Headspace Analysis

8						Lower	Upper		RPD		Analysis
Type	Analyte	CAS#	QC Found QC Yield	QC Yield	Units	Limit	Limit	RPD(%)	Limit	RQ	Date
LOO	Chloromethane	74-87-3	5.2	104.000	% Recov	50.000	150.000				06/10/09
L00	2-Butanone	78-93-3	3.0	56.604	% Recov	50.000	150.000				06/10/09
L00	4-Methyl-2-Pentanone	108-10-1	2.6	49.057	% Recov	20.000	150.000		•		06/10/09
LOQ	m/p-xylene	179601-23-1	3.1	59.615	% Recov	20.000	150.000				06/10/09
L00	Butane	106-97-8	4.9	98.000	% Recov	50.000	150.000				06/10/09
007	Hexane	110-54-3	3.5	67.308	% Recov	50.000	150.000				06/10/09
00	Pentane	109-66-0	3.7	74.000	% Recov	20.000	150.000				06/10/09
007	Propane	74-98-6	4.7	94.000	% Recov	20.000	150.000				60/10/09
007	Heptane	142-82-5	3.4	65.385	% Recov	20.000	150.000				06/10/09
007	o-Xylene	95-47-6	3.2	62.745	% Recov	20.000	150.000				06/10/09
L00	Ethyl cyanide	107-12-0	3.6	66.667	% Recov	50.000	150.000				06/10/09
	Styrene	100-42-5	3.1	62.000	% Recov	20.000	150.000				06/10/09
	Tetrachloroethene	127-18-4	4.0	76.923	% Recov	20.000	150.000				06/10/09
	Tetrahydrofuran	109-99-9	2.9	54.717	% Recov	20.000	150.000				06/10/09
	Toluene	108-88-3	3.0	56.604	% Recov	20.000	150.000				60/01/90
	Trichloroethene	79-01-6	3.7	71.154	% Recov	20.000	150.000				60/01/90
	Valeronitrile	110-59-8	2.7	50.000	% Recov	20.000	150.000				06/10/09
007	Vinyl chloride	75-01-4	5.1	100.000	% Recov	20.000	150.000				60/10/09

WSCF ANALYTICAL COMMENT REPORT

Group #: WSCF20090476 Department: Organic		CC: All QC requirements were met with the following exceptions; Calibration: 1-butanol (27 %RSD), and hexanenitrile (29 %RSD exceeded the 25 % limits. LCS: 1,1-dichloroethylene (65 %R), carbon disulfide (62 %R), methylene chloride (62 %R), furan (67 %R) were low. LCSD: Carbon disulfide (67 %R), and furan (67 %R) were low. LOQ: Butanal (49 %R), 3-hexanone (45 %R), and MIBK (49 %R) had recoveries outside the 50-150 % limits. MS 6/17/09
	Comment	tions; Calibration: 1-but exceeds LCS: 1,1-dichlora methylene ch LCSD: Carbon dis methylenech LOQ: Butanal (49 had recoverie
	Test	
Steve Trent F09-028	Lab Area	VALGROUP
Attention: Project Number	Sample # Client ID	

VALGROUP - Group Validation LOGSAMP - Login for Sample Lab Areas:

VALTEST - Test Validation LOGTEST - Login for Tests

TESTDATA - Test Data Entry

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ATTACHMENT 4

SAMPLE RECEIPT INFORMATION

Consisting of 4 pages Including cover page

Waste Sampling and Characterization Facility

P.O. BOX 1970 S3-30, Richland, WA 99352 PHONE: (509) 373-7004/FAX: (509) 373-7134

ACKNOWLEDGMENT OF SAMPLES RECEIVED

7:1/e 7/1/09 7/1/09

Groundwater Remediation Program

Customer Code: GPP

Richland, WA 99354

Attn: Steve Trent

PO#: 300227/ES30 Group#: 20090476 Project#: F09-028

Proj Mgr: STEVE TRENT
Phone: 373-5869

The following samples were received from you on 05/20/09. They have been scheduled for the tests listed beside each sample. If this information is incorrect, please contact your service representative. Thank you for using Waste Sampling and Characterization Facility.

Sample#	Sample	Id Tests Sc	heduled	Matrix		Sample Date
W09GR00460	B20LW6		TRENT	Drum Head Sp	pace Vapor	05/20/09
W09GR00461	B20LW7	@IHVAP3 @IHVAP3	TRENT	Drum Head Sp	pace Vapor	05/20/09
		Test	Acronym	Description		
Test Acr	onym	Description				
@IHV	AP3	Headspace Anal	ysis			

CH2MHill	CH2MHill Plateau Remediation Company	ion Company		CHAINO	F CUSTODY	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	tequest	F09-028-256	PAGE 1 OF 1
COLLECTOR	(e Tare on	COMPANY CONTACT DYEKMAN, DL	ACT	TEL!	TELEPHONE NO. 373-2858	PROJECT COORDINATOR DYEKMAN, DL	PRICE CODE 9N	DATA TURNAROUND
SAMPLING LOCATION C7287	•		PROJECT DESIGNATION 218-W-4C Soll Vapor Sampling	NATION por Sampling			SAF NO. F09-028	AIR QUALITY	45 Days / 45 Days
ICE CHEST NO.	4/2		FIELD LOGBOOK NO.	(NO.	ACT	ACTUAL SAMPLE DEPTH	COA 300227ES30	GOVERNMENT VEHICLE	
SHIPPED TO Waste Sampling & Characterization	Characterization		OFFSITE PROPERTY NO.	RTY NO.			BILL OF LADING/AIR BILL NO N/A	0.	
MATRIX* PC	SSIBLE SAMPLE H	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations	PRESERVATION		None				
	that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per	egulated for ? / IATA Dangerous e not releasable per	TYPE OF CONTAINER		Summa Canister				
	DOE Order 5400.5 (1990/1993)	(1993)	NO. OF CONTAINER	TAINER(S)					
SE=Sediment T=Tissue V=Vegitation	de de	30200476	NOLUME		6L				
w=water WI=wipe X=Other	PECIAL HANDLING	SPECIAL HANDLING AND/OR STORAGE	SAMPLE ANALYSIS		VOA - T0-15;				
SAMPLE NO.	Ġ	MATRIX*	SAMPLE DATE	SAMPLE TIME					
BZOLWE WOJEKONGO	(Dollo	SI	50 pes	13.39	1				
CHAIN OF POSSESSION	NOISS		SIGN/ PRINT NAMES	NAMES		3	SPECIAL INSTRUCTIONS		
BELINQUISHED BY/REMOVED FROM	REMOVED FROM	DATE/TIME[4]() SAGO 9 DATE/TIME	RECEIVED BY/STORED IN	TORED IN	No.	DATE/TIME//U ap	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKL applies to this SAF.	erization and Monitoring Sa	impling and Analysis GK.
RELINQUISHED BY/REMOVED FROM	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	TORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	TORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	TORED IN		DATE/TIME			
RELINQUISMED BY/REMOVED FROM	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	TORED IN		DATE/TIME			
RELINQUISHED BY/REMOVED FROM	REMOVED FROM	DATE/TIME	RECEIVED BY/STORED IN	TORED IN		DATE/TIME			
9 LABORATORY O SECTION	RECEIVED BY					Ľ	TTLE		DATE/TIME
V-INAL SAMPLE	DISPOSAL METHOD	Q				10	DISPOSED BY		DATE/TIME
									A-6003-618(01/06)

CH2N	MHill Plateau Re	CH2MHill Plateau Remediation Company	!	CHAIN	JF CUSTO	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	REQUEST	F09-028-257		PAGE 1 OF 1
COLLECTOR	(COMPANY CONTACT	TACT	F	TELEPHONE NO.	PROJECT COORDINATOR	DOTCE CODE	2	DATA
CRAN	, /	びずるい	DYEKMAN, DL			373-2858	DYEKMAN, DL		Ŕ	TURNAROUND
SAMPLING LOCATION C7288	OCATION		PROJECT DESIGNATION 218-W-4C Soil Vapor Sampling	SNATION apor Sampling			SAF NO. F09-028	AIR QUALITY		45 Days / 45 Days
ICE CHEST NO	 		FIELD LOGBOOK NO.	K NO.	¥	ACTUAL SAMPLE DEPTH	COA	METHOD OF SHIPMENT	IPMENT	
	4/2		HU1-10-507	507-93	7	34.5	300227ES30	GOVERNMENT VEHICLE	EHICLE	
SHIPPED TO	•		OFFSITE PROPERTY NO.				BILL OF LADING/AIR BILL NO	0		
Waste Samplir	Waste Sampling & Characterization	tion	N/A				N/A			
MATRIX* A=Air	POSSIBLE SA Contains Radioad	POSSIBLE SAMPLE HAZARDS/ REMARKS Contains Radioactive Material at concentrations	PRESER	PRESERVATION	None					
	that may or may transportation pe Goods Regulation	that may or may not be regulated for transportation per 49 CFR / IATA Dangerous Goods Regulations but are not releasable per	TYPE OF C	TYPE OF CONTAINER	Summa Canister					
	DOE Order 5400	DOE Order 5400.5 (1990/1993)	NO. OF CO	NO. OF CONTAINER(S)						
SE=Sediment T=Tissue V=Vegitation W=Water			NOA .	VOLUME	19					
WI=Wipe X=Other	SPECIAL HA	SPECIAL HANDLING AND/OR STORAGE	SAMPLE	SAMPLE ANALYSIS	VOA - T0-15;					
SAMPLE NO	LE NO.	MATRIX*	SAMPLE DATE	SAMPLE TIME						
B20LW7	5 144	GASEOUS	5/24/09	4.27	7					
CHAIN OF POSSESSION	SSESSION		SIGN/ PRINT NAMES	NAMES			SPECIAL INSTRUCTIONS			
RELINQUISHED (Sec. 14.0)	BY/REMOVED FI	10 S 22/64 14 10 гон отеупие	RECEIVED BY/STORED IN	STORED IN		S 20 CF 14/C	** The 200 Area S&GRP Characterization and Monitoring Sampling and Analysis GKI applies to this SAF.	erization and Mon	nitoring Sam	pling and Analysis GK
RELINQUISHED	RELINQUISHED BY/REMOVED FROM	NOM DATE/TIME	RECEIVED BY/STORED IN	STORED IN		DATE/TIME				
RELINQUISHED	RELINQUISHED BY/REMOVED FROM	SOM DATE/TIME	RECEIVED BY/STORED IN	STORED IN		DATE/TIME				
RELINQUISHED	RELINQUISHED BY/REMOVED FROM	NOM DATE/TIME	RECEIVED BY/STORED IN	STORED IN		DATE/TIME				
RELINQUISHED	RELINQUISHED BY/REMOVED FROM	SOM DATE/TIME	RECEIVED BY/STORED IN	STORED IN		DATE/TIME				
RELINQUISHED	RELINQUISHED BY/REMOVED FROM	NOM DATE/TIME	RECEIVED BY/STORED IN	STORED IN		DATE/TIME				
LABORATORY SECTION	RY RECEIVED BY	D BY					TILE		DA	DATE/TIME
FINAL SAMPLE DISPOSITION	+	DISPOSAL METHOD					DISPOSED BY		DA	DATE/TIME
										A-6003-618/01/06)